

Influence of the outlet opening, i.e. of the dynamic pressure in the mixing chamber, on the size of pores of the foamed product

Inside diameter, cm. ²	size of pores, mm.	dynamic pressure, atil.
3.00	0.1	2.0
2.50	0.15	2.5
2.00	0.25	3.2
1.50	1.50	4.5
1.00	4.00	7.0

Although the invention has been described in considerable detail in the foregoing for the purpose of illustration, it is to be understood that such detail is solely for this purpose and that variations can be made by those skilled in the art without departing from the spirit and scope of the invention except as is set forth in the claims.

What is claimed is:

1. An apparatus for mixing liquids comprising a mixing chamber, said chamber including a first portion and a second portion, said second portion being longitudinally movable with relation to said first portion, said first portion having a plurality of inlet means for introducing liquids to be mixed, said second portion having an axially aligned frusto-conically shaped discharge outlet, said agitating means extending axially within said mixing chamber toward said discharge outlet, said agitating means including an end portion having a configuration complementary to that of said discharge outlet, said end portion of said agitating means being provided with a graduated scale to indicate the size of the discharge outlet and means adapted for moving said second portion with respect to said first portion and said end portion of said agitating means to alter the size of said discharge outlet while said liquids are passing through said mixing chamber.

2. An apparatus for mixing liquids comprising a mixing chamber, said chamber including a first portion and a second portion, said second portion fitting about said first portion, being threadedly engaged therewith and being free to move longitudinally with relation to said first portion at all times by rotation of said second portion with respect to said first portion, said first portion having a plurality of inlet means for introducing liquids to be mixed, said second portion having an axially aligned frusto-conically shaped discharge outlet, an agitating means extending axially within said mixing chamber toward said discharge outlet, said agitating means including an end portion having a configuration complementary to that of said discharge outlet, and, in combination with said mixing chamber, a driving means for rotating said second portion to cause the longitudinal movement thereof with respect to said first portion and said end portion of said agitating means to alter the size of said discharge outlet while said liquids are passing through said mixing chamber, including an annular toothed rim provided on the outer wall of said second portion, said rim engaging a toothed wheel, said toothed wheel being geared to a hand wheel.

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